



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

July 24, 2019

Tammy Zimmer  
Regulatory Manager  
Bayer CropScience LP  
800 N. Lindbergh Blvd.  
St. Louis, MO 63167

Subject: Notification per PRN 98-10 – Adding a referral statement to page 1 and updating the address  
Product Name: OBERON 4 SC Insecticide/Miticide  
EPA Registration Number: 264-850  
Application Date: June 6, 2019  
Decision Number: 552448

Dear Ms. Zimmer:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, you may contact please contact Jasmin Jackson at 703-347-0732 or by email at [jackson.jasmin@epa.gov](mailto:jackson.jasmin@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Gene Benbow", is located below the "Sincerely," text.

Gene Benbow, Product Manager 7  
Invertebrate & Vertebrate Branch 3  
Registration Division (7505P)  
Office of Pesticide Programs

GROUP

23

INSECTICIDE

# OBERON<sup>®</sup> 4 SC Insecticide/Miticide

**ACTIVE INGREDIENT:**

 Spiromesifen: 2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutanoate .....**45.2%**
**OTHER INGREDIENTS:** .....**54.8%**
**TOTAL:** .....**100.0%**

OBERON contains 4 pounds of spiromesifen per US gallon (480 grams per liter).

**EPA Reg. No. 264-850**
**EPA Est. No.**

## STOP – Read the label before use. KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577  
For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

See [Back][Side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use. (Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)

### FIRST AID

<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

**For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.**

**Have the product container or label with you when calling a poison control center or doctor or going for treatment.**

**NOTE TO PHYSICIAN:** No specific antidote is known. Treat symptomatically.

**ACCEPTED**

07/24/2019

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 264-850

## PRECAUTIONARY STATEMENTS

### HAZARD TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Mixers, loaders and other handlers must wear:** Long-sleeved shirt and long pants, chemical resistant gloves (such as natural rubber, selection category A), and shoes plus socks.

**Applicators must wear:** Long-sleeved shirt and long pants and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### ENGINEERING CONTROLS STATEMENT

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove Personal Protective Equipment immediately after handling this product.
- Wash the outside of gloves before removing.
- As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not contaminate surface water through spray drift. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater.

#### Surface Water Advisory

This product may contaminate water through runoff or drift of spray in wind. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

## DIRECTIONS FOR USE

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

**Read entire label before using this product.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the same area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticides.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval **(REI) of 12 hours** following application.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil or water, are:

- Coveralls over short sleeved shirt and short pants.
- Chemical resistant gloves (such as natural rubber, selection category A)
- Shoes plus socks

## INFORMATION

OBERON 4 SC INSECTICIDE/MITICIDE is a Suspension Concentrate formulation. The active ingredient contained in OBERON 4 SC INSECTICIDE/MITICIDE is active by contact on all mite development stages. However, mite juvenile stages are often more susceptible than adults. OBERON 4 SC INSECTICIDE/MITICIDE is also highly effective against whitefly nymphs, plus it has a significant effect on the otherwise difficult to control pupal stage. Make applications to coincide with early threshold level in developing mite population. OBERON 4 SC INSECTICIDE/MITICIDE can be applied by air, ground equipment, or through chemigation. However, thorough coverage of all plant parts is required for optimum performance. Evaluate the performance of OBERON 4 SC 4 – 10 days following application.

## RESISTANCE MANAGEMENT

OBERON 4 SC INSECTICIDE/MITICIDE contains an active ingredient with lipid biosynthesis inhibitor (LBI) mode of action, classified as a Group 23 product. Studies to determine cross-resistance of Group 23 products with other chemical classes have demonstrated no cross-resistance. Bayer CropScience strongly encourages that OBERON 4 SC INSECTICIDE/MITICIDE, applied alone or in tankmix combination with another Group 23 product, be applied in a block rotation or windowed approach with products from other chemical classes having a different mode of action before using additional applications of other Group 23 products against the same target pest. Using a block rotation or windowed approach, along with other IPM practices, is considered an effective use strategy for preventing or delaying a pest's ability to develop resistance to a given class of chemistry.

Contact your local extension specialist, certified crop advisor and/or Bayer CropScience representative for additional resistance management or IPM recommendations. Also, for more information on Insect Resistance Management (IRM), visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://irac-online.org>.

## ENDANGERED SPECIES

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of Federal law.

## APPLICATION INSTRUCTIONS

For all insects, timing of application should be based on careful scouting and local thresholds.

### Foliar Spray Applications

Foliar applications may be made using properly calibrated ground sprayers, fixed- or rotary-winged aircraft or through properly designed, sprinkler-type, chemigation equipment (See *Chemigation Systems*). Thorough and uniform coverage of plants, with direct contact of the spray mixture to the target pests, is required for satisfactory control.

Do not apply where thorough coverage of plant is not possible. Applications made with less than thorough coverage may result in slower activity and/or less overall control from a single application than an application made with higher gallonages.

**Ground applications** must be made in a minimum of **10 gallons/A**.

**Aerial applications** must be made in a minimum of **5 gallons/A**. Aerial applications made to dense canopies may not provide sufficient coverage of lower leaves to provide pest control. Higher labeled rates of OBERON 4 SC INSECTICIDE/MITICIDE may be necessary for aerial applications. Do not apply directly to bodies of water. Time applications to allow sprays to dry prior to rain or sprinkler irrigations.

**Chemigation applications** (See *Chemigation Systems*) must be made as concentrated as possible. For best results apply at 100% input/travel speed, for center pivots or 0.10 inch (2,716 gallons) up to 0.15 inch (4,073 gallons) of water/A, for other systems. Higher labeled rates of OBERON 4 SC INSECTICIDE/MITICIDE may be necessary for chemigation applications.

### Irrigation Timing

If irrigation is used, conduct irrigations efficiently to prevent excessive loss of irrigation waters through runoff. Time the applications to allow sprays to dry prior to rain or sprinkler irrigations. Allow at least 24 hours between application of product and any irrigation that results in surface runoff into lakes, reservoirs, rivers, permanent streams, marshes, potholes, vernal pools, natural ponds, estuaries, or commercial fish farm ponds.

## CHEMIGATION SYSTEMS

OBERON 4 SC INSECTICIDE/MITICIDE may be applied through irrigation systems (chemigation) only on those crops listed under the crop Application Directions. Do not allow chemigation to run off field.

**Types of Irrigation Systems:** Apply OBERON 4 SC INSECTICIDE/MITICIDE only through sprinkler, including center pivot, lateral move, side roll, or overhead solid set irrigation systems. Do not apply OBERON 4 SC INSECTICIDE/MITICIDE through any other type of irrigation system.

### DIRECTIONS FOR ALL APPROVED TYPES OF IRRIGATION SYSTEMS

**Uniform Water Distribution and System Calibration:** The irrigation system must provide uniform distribution of treated water. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

**Chemigation Monitoring:** A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**Drift:** Do not apply when wind speed favors drift beyond the area intended for treatment.

**Required System Safety Devices:** The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump; such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

**Using Water from Public Water Systems:** Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regular serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

**Cleaning the Chemical Injection System:** In order to accurately apply pesticides, the chemical injection system must be kept clean; free of chemical or fertilizer residues and sediments. Refer to your owner's manual or ask your equipment supplier for the cleaning procedure for your injection system.

**Flushing the Irrigation System:** At the end of the application period, allow time for all lines to flush the pesticide through all nozzles or emitters before turning off irrigation water. To ensure the lines are flushed and free of pesticides, a dye indicator may be injected into the lines to mark the end of the application period.

#### **Equipment Area Contamination Prevention**

Plug nozzles that are in the immediate area of control panels, chemical supply tanks, pumps and system safety devices to prevent chemical contamination of these areas.

**Center-Pivot and Automatic-Move Linear Systems:** Inject the specified dosage per acre continuously for one complete revolution or move of the system. DO NOT USE END GUNS. Run the system at maximum speed.

**Solid Set and Manually Controlled Linear Systems:** Inject during the last 30 to 60 minutes of regular irrigation period or as a separate 30 to 60 minute application not associated with a regular irrigation. DO NOT USE END GUNS.

## **SPRAY DRIFT REDUCTION MANAGEMENT**

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

#### **Importance of Droplet Size:**

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, make applications to deliver the largest droplet spectrum that provides sufficient control and coverage. Formation of very small droplets may be minimized by appropriate nozzle selection.

#### **Aerial Applications:**

Mount the spray boom on the aircraft so as to minimize drift caused by wing tip vortices. Use the minimum practical boom length, which must not exceed 75% of the wing span or rotor diameter. Do not make applications at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

#### **Wind Speed Restrictions:**

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Do not apply when winds are greater than 15 mph or when gusty and windless conditions are present. Risk of exposure to sensitive aquatic areas can be reduced by not making applications when wind direction is toward the aquatic area.

#### **Restrictions During Temperature Inversions:**

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

#### **FOR USE IN CALIFORNIA**



Allow growth of a vegetative filter strip within 25 feet (on which the product should not be applied) along lakes, reservoirs, rivers, permanent streams, marshes, potholes, vernal pools, natural ponds, estuaries, or commercial fish farm ponds.

## MIXING INSTRUCTIONS

Mix pesticides in areas not prone to runoff such as concrete mixing/loading pads, disked soil in flat terrain or graveled mix pads, or use a suitable method to contain spills and /or rinsate. Properly empty and triple-rinse pesticide containers at time of use as stated in the STORAGE AND DISPOSAL section.

### Mixing and Loading Requirements

To help prevent potential contamination of groundwater, use of a properly designed and maintained containment pad for mixing and loading of any pesticide into application equipment. If containment pad is not used, maintain a minimum distance of 25 feet between mixing and loading area and potential surface to groundwater conduits such as field sumps, uncased well heads, sink-holes, or field drains.

## COMPATIBILITY

OBERON 4 SC INSECTICIDE/MITICIDE is physically and biologically compatible with many registered pesticides and fertilizers or micronutrients. When considering mixing OBERON 4 SC INSECTICIDE/MITICIDE with other pesticides, or other additives, first contact your supplier for advice. For further information, contact your local Bayer Representative. If your supplier and Bayer Representative have no experience with the combination you are considering, conduct a test to determine physical compatibility. To determine physical compatibility, add the required proportions of each chemical with the same proportion of water, as will be present in the chemical supply tank, into a suitable container, mix thoroughly and allow to stand for five minutes. If the combination remains mixed, or can be readily re-mixed, the mixture is considered physically compatible.

## ORDER-OF-MIXING

OBERON 4 SC INSECTICIDE/MITICIDE may be used with other recommended pesticides, fertilizers and micronutrients. The proper mixing procedure for OBERON 4 SC INSECTICIDE/MITICIDE alone or in tank mix combinations with other pesticides is:

- 1) Fill the spray tank 1/4 to 1/3 full with clean water;
- 2) While recirculating and with the agitator running, add any products in PVA bags (**See Note**). Allow time for thorough mixing;
- 3) Continue to fill spray tank with water until 1/2 full;
- 4) Add any other wettable powder (WP) or wettable granules (WG) products;
- 5) Add the required amount of OBERON 4 SC INSECTICIDE/MITICIDE, and any other "flowable" (FL or SC) type products;
- 6) Allow enough time for thorough mixing of each product added to tank;
- 7) If applicable, add any remaining tank mix components: emulsifiable concentrates (EC), fertilizers and micronutrients.
- 8) Fill spray tank to desired level and maintain constant agitation to ensure uniformity of spray mixture.

**NOTE:** Do not use PVA packets in a tank mix with products that contain boron or release free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic that is not soluble in water or solvents.

## ROTATIONAL PLANT-BACK INTERVALS<sup>1</sup>

**Immediate plant-back:** Cotton, Field Corn, Pop Corn, Sweet Corn, Fruiting Vegetables, Leafy Vegetables, Cucurbits, Tuber Vegetables (Potatoes), Strawberry

**30-day plant-back:** Alfalfa, Barley, Bulb vegetables (crop group 3-07), Oat, Sugarbeets, Wheat

**12-month plant-back:** All other crops

<sup>1</sup>Cover Crops for soil building or erosion control may be planted at any time, but do not graze or harvest for food or feed.

## FIELD CROPS

Apply specified dosage of OBERON 4 SC INSECTICIDE/MITICIDE as needed for control. For best results, apply treatment when target pest populations begin to build and before a damaging population becomes established, prior to leaf damage or discoloration. OBERON 4 SC INSECTICIDE/MITICIDE is most effective when applications are targeted toward egg and nymphal stages of target pests. OBERON 4 SC INSECTICIDE/MITICIDE will not knock down adult whitefly populations. Rate range is provided and is generally dependent on size of the plant and density of the foliage. For optimal control, apply in adequate water for thorough and uniform coverage with ground or aerial application equipment, or by chemigation as indicated below. An adjuvant may be used to improve coverage. If needed, repeat applications as specified within crop - specific use directions.

### CORN, (FIELD, POP, SWEET)

PESTS CONTROLLED	RATE PER APPLICATION fluid ounces/Acre
Banks grass mite Twospotted spider mite	2.85 - 8.0
<b>Restrictions:</b> Pre-harvest Interval (PHI): Field Corn: green forage and silage - 5 days; grain or stover – 30 days. Popcorn: green forage and silage - 5 days; grain or stover – 30 days. Sweet Corn: green forage, silage, and sweet corn for fresh consumption - 5 days; grain or stover – 30 days. Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per 14-day interval: <b>8.0 fl oz per acre (0.25 lbs ai/A) – 1 application; 8.5 fl oz per acre (0.27 lbs ai/A) – 2 applications.</b> Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per crop season: <b>8.5 fl oz per acre (0.27 lbs ai/A).</b> Maximum number of applications per crop season: <b>2.</b> Minimum application volume: 10.0 GPA – ground, 5.0 GPA – aerial application. <b>Note:</b> See CHEMIGATION statement in Application Guidelines section of this label.	

COTTON	RATE PER APPLICATION fluid ounces/Acre	
PESTS CONTROLLED	EARLY SEASON	MID-LATE SEASON
Carmine spider mite Desert spider mite Pacific spider mite Strawberry spider mite Twospotted spider mite Whiteflies (including Silverleaf and Sweetpotato)	3.0 – 8.0	4.0 – 8.0
<b>Restrictions:</b> Pre-harvest Interval (PHI): 30 days. Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per 7-day interval: <b>8.0 fl oz per acre (0.25 lbs ai/A).</b> Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per crop season: <b>16.0 fl oz per acre (0.50 lbs ai/A).</b> Maximum number of applications per crop season: <b>3.</b> Minimum application volume: 10.0 GPA – ground, 5.0 GPA – aerial application. Early Season: apply by ground rig when cotton is less than 10 inches tall and thorough coverage of plant canopy can be achieved. Mid-late season: apply by air or ground.		



## VEGETABLE CROPS

Apply specified dosage of OBERON 4 SC INSECTICIDE/MITICIDE as needed for control. For best results, apply treatment when target pest populations begin to build and before a damaging population becomes established, prior to leaf damage or discoloration. OBERON 4 SC INSECTICIDE/MITICIDE is most effective when applications are targeted toward egg and nymphal stages of target pests. OBERON 4 SC INSECTICIDE/MITICIDE will not knock down adult whitefly populations. Rate range is provided and is generally dependent on size of the plant and density of the foliage. For optimal control, apply in adequate water for thorough and uniform coverage with ground or aerial application equipment, or by chemigation as indicated below. An adjuvant may be used to improve coverage. If needed, repeat applications as specified within crop - specific use directions.

### CUCURBIT VEGETABLES (Crop Group 9):

Chayote (fruit), Chinese waxgourd (Chinese preserving melon), citron melon, cucumber, gherkin, edible gourd (includes, hyotan, cucuzza, hechima, Chinese okra), *Momordica* spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber), muskmelon (includes cantaloupe), pumpkin, summer squash, winter squash (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash), watermelon

PESTS CONTROLLED	RATE PER APPLICATION fluid ounces/Acre
Twospotted spider mite Whiteflies (Including Silverleaf, Sweetpotato and Greenhouse)	3.5 – 4.25

#### Restrictions:

Pre-harvest Interval (PHI): 7 days.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per 7-day interval: **4.25 fl oz per acre (0.13 lbs ai/A)**.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per crop season: **12.75 fl oz per acre (0.40 lbs ai/A)**.

Maximum number of applications per crop season: **3**.

Minimum application volume: 10.0 GPA – ground, 5.0 GPA – aerial application.

### FRUITING VEGETABLES (except Cucurbits) (Crop Group 8):

Eggplant, groundcherry (*Physalis* sp.), pepino, pepper (includes: bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), tomatillo, and tomato

PESTS CONTROLLED	RATE PER APPLICATION fluid ounces/Acre
Broad mite Potato/Tomato Psyllid Tomato russet mite Twospotted spider mite Whiteflies (Including Silverleaf, Sweetpotato and Greenhouse)	3.5 – 4.25

#### Restrictions:

Pre-harvest Interval (PHI): 1 day.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per 7-day interval: **4.25 fl oz per acre (0.13 lbs ai/A)**.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per crop season: **12.75 fl oz per acre (0.40 lbs ai/A)**.

Maximum number of applications per crop season: **3**.

Minimum application volume: 10.0 GPA – ground, 5.0 GPA – aerial application.

**LEAFY GREENS VEGETABLES (Crop Subgroup 4A):**

**Amaranth (Chinese spinach), arugula (roquette), chervil, edible-leaved and garland chrysanthemum, corn salad, upland and garden cress, dandelion, dock (sorrel), endive (escarole), head and leaf lettuce, orach, parsley, garden and winter purslane, radicchio (red chicory), spinach, New Zealand and vine spinach**

PESTS CONTROLLED	RATE PER APPLICATION fluid ounces/Acre
Whiteflies (Including Silverleaf, Sweetpotato and Greenhouse)	3.5 – 4.25

**Restrictions:**

Pre-harvest Interval (PHI): 7 days.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per 7-day interval: **4.25 fl oz per acre (0.13 lbs ai/A)**.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per crop season: **12.75 fl oz per acre (0.40 lbs ai/A)**.

Maximum number of applications per crop season: **3**.

Minimum application volume: 10.0 GPA – ground, 5.0 GPA – aerial application.

**BRASSICA LEAFY VEGETABLES**

**Broccoli and Chinese (gai lon) broccoli, Broccoli raab (rapini), Brussels sprouts, cabbage, Chinese (bok choy and napa) cabbage, Chinese mustard (gai choy) cabbage, cauliflower, cavalo broccolo, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, and rape greens**

PESTS CONTROLLED	RATE PER APPLICATION fluid ounces/Acre
Whiteflies (Including Silverleaf, Sweetpotato and Greenhouse)	3.5 – 4.25

**Restrictions:**

Pre-harvest Interval (PHI): 7 days.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per 7-day interval: **4.25 fl oz per acre (0.13 lbs ai/A)**.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per crop season: **12.75 fl oz per acre (0.40 lbs ai/A)**.

Maximum number of applications per crop season: **3**.

Minimum application volume: 10.0 GPA – ground, 5.0 GPA – aerial application.

**POTATO and TUBEROUS and CORM VEGETABLES (Crop Subgroup 1C):**

**Arracacha, arrowroot, artichoke (Chinese, Jerusalem), artichoke (Jerusalem), canna (edible), cassava (bitter, sweet), chayote (root), chufa, dasheen, ginger, leren, potato, sweet potato, taniar, turmeric, yam (bean, true)**

PESTS CONTROLLED	RATE PER APPLICATION fluid ounces/Acre
Potato/Tomato Psyllid Twospotted spider mite Whiteflies (Including Silverleaf, Sweetpotato and Greenhouse)	4.0 – 8.0

**Restrictions:**

Pre-harvest Interval (PHI): 7-days.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per 7-day interval: **8.0 fl oz per acre (0.25 lbs ai/A)**.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per crop season: **16.0 fl oz per acre (0.50 lbs ai/A)**.

Maximum number of applications per crop season: **2**.

Minimum application volume: 10.0 GPA – ground, 5.0 GPA – aerial application.

**Note:**

See CHEMIGATION statement in *Application Guidelines* section of this label.

**LOW GROWING BERRY (Crop Subgroup 13-07-G):****Bearberry, Bilberry, Blueberry (lowbush), Cloudberry, Cranberry, Lingonberry, Muntries, Partridgeberry, Strawberry**

PESTS CONTROLLED	RATE PER APPLICATION fluid ounces/Acre
Twospotted spider mite Whiteflies (Including Silverleaf, Sweetpotato and Greenhouse)	6.0 – 8.0

**Restrictions:**

Pre-harvest Interval (PHI): 3 days.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per 7-day interval: **8.0 fl oz per acre (0.25 lbs ai/A).**Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per crop season: **24.0 fl oz per acre (0.75 lbs ai/A).**Maximum number of applications per crop season: **3**

In California a maximum of 2 applications is allowed.

Minimum application volume: 100.0 GPA – ground. **DO NOT APPLY BY AERIAL APPLICATION.****STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** OBERON 4 SC INSECTICIDE/MITICIDE is packaged in poly-ethylene containers. Do not allow product or containers to freeze. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area.**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. To the extent allowed by law, all such risks shall be assumed by the user or buyer.

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